रजिस्ट्री सं. डी एल—33001/2001 REGISTERED NO. DL—33001/2001

भारत का राजपत्र
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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Floors, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"
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कलकत्ता, दिनांक 13 जनवरी 2001

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (प.)
मुम्बई-400013 ।
गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोआ राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली ।
तार पता - "पेटोफिस"
फोन : 482 5092 फैक्स : 022 4950 622

पेटेंट कार्यालय शाखा,
एकक सं 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005 ।
हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर पंजाब राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ ।

तार पता - "पेटेंटोफिक"
फोन : 578 2532 फैक्स : 011 576 6204

पेटेंट कार्यालय शाखा,
विंग "सी" (सी-4, ए),
तीसरा तल शास्त्री भवन,
अन्ना नगर, चेन्नई-600090 ।

आन्ध्र प्रदेश, कर्नाटक, केरल तमिलनाडु
तथा पांडिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र लक्षद्वीप मिनिकाय
तथा अंडमान निकोबार द्वीप ।

तार पता-"पेटेंटोफिस"
फोन : 490 1495 फैक्स : 044 490 1492

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस सिंदरी महाप्रबंधक कार्यालय
भवन, 5, 6 तथा 7वां तल,
234/4 आचार्य जगदीश बोस मार्ग,
कलकत्ता 700 020 ।

भारत का अवशेष क्षेत्र ।

तार पता - "पेटेंटम"
फोन : 247 4401 फैक्स : 033 247 3851

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई **फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किये जायेंगे ।**

शल्क : शल्कों की अदायगी या तो नकद की जानी अथवा जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान की अनुसूचित बैंक में निगमित को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

APPLICATION FOR THE PATENT FILED AT THE HEAD OFFICE 234/4 ACHARYA JAGDISH BOSE ROAD, CALCUTTA-700 020.

The dates shown in the crecent brackts are the dates claimed under section 135, under Patent Act, 1970

9-11-2000

625/Cal/2000. Maejima Fumio. Incinerator with ceramics filter. (Convention No. H 11-331883 filed on 22-11-99 in Japan).

10-11-2000

626/Cal/2000 Macrovision Corporation. An apparatus for detecting a source identification signal from a video signal (Divided out of No. 209/Cal/96 antedated to 6-2-1996).

627/Cal/2000. Lo Cheng-Chi. Safety hypodermic syringe.

628/Cal/2000. Thomson Multimedia. Method and device for managing frame buffer memory in a digital television system, (Convention Ni. 99402916.3 filed on 23-11-99 in HPO).

13-11-2000

629/Cal/2000. Emami Limited. Process for preparing cough syrup which can be used for treatment of cold and cough and to provide restoration to the body energy.

630/Cal/2000 Fuji Photo Film Co. Ltd. Flashlight generating circuit. (Convention No. HEL 11-325116 filed on 16-11-2000 in Japan; and 2000-255769 filed on 25-8-2000 in Japan).

631/Cal/2000. Hergeth Hubert A. Air lock extraction of foreign bodies.

632/Cal/2000. (1) Stell Authority of India (2) Indian Institute of Technology. Visible diode laser based diameter gauge with large stand off distance.

14-11-2000

633/Cal/2000. Degussa-Huls Aktiengesellschaft. Granular organosilane preparation process for the production thereof and use thereof (Convention No. 19955850.7 filed on 20-11-99 in Germany).

15-11-2000

634/Cal/2000. General Electric Company. Convex compressor casing. (Convention No. 09/507,409 filtd on 18-2-2000 in U.S.A.).

635/Cal/2000. Degussa-Huls Aktiengesellschaft. Process for the preparation of anhydrous, highly pure sodium sulfide. (Convention No. 199 56 377.2 filed on 24-11-1999 in Germany).

636/Cal/2000. Deutsche Thomson-Brandt GMBH. Video frequency response adaptation. (Convention No. 19957354.9 filed on 29-11-99 in Germany).

637/Cal/2000. Deutsche Thomson-Brandt GMBH. Improving the video frequency response. (Convention No. 19957365.4 filed on 29-11-99 in Germany).

638/Cal/2000. Deutsche Thomson-Brandt GMBH. Oscilator having a tunable resonant circuit. (Convention No. 19956428.0 filed on 24-11-1999 in Germany).

639/Cal/2000. Thomson Multimedia, Process for recording a scrambled mpeg stream. (Convention No. 9914647 filed on 22-11-1999 in France).

16-11-2000

640/Cal/2000. Deutsche Thomson-Brandt GMBH. Image recorder. (Convention No. 19959539.9 filed on 9-12-99 in Gremany).

641/Cal/2000. Yoshino Gypsum Co. Ltd. Method and device for producing gypsum boards.

17-11-2000

642/Cal/2000. Steel Authority of India Limited. A process for manufacturing basic tundish cover powder for low carbon aluminium kuled (leak) steel.

643/Cal/2000. Mcnell-Ppc Inc. Method for treating migrain symptoms (Convention No. 09/448988 filed on 24-11-99 and application No. nil filed on 06-11-2000 filed in U.S.A.).

644/Cal/2000. Mcneil-Ppc, Inc. Method for treating migraine symptions with ibuproten and salts thereof. (Convention no. 09/449124 filed on 24-11-99 and application no. nil filed on 9-11-2000 in 9-11-2000 in U.S.A.).

645/Cal/2000. Thomson Multimedia. Speech recognition device implementing a syntactic permutation rule. (Convention No. 9915083 filed on 30-11-1999 in France).

646/Cal/2000. Icn Pharmaceuticals, Inc. Novel nucleosides.

647/Cal/2000. Forschungszentrum Julich GMBH. Process for the preparation of a novel modified DNA squence of the pyruvate decarboxylase gene. (Convention No. 19518809. 8, 19523269.0 dated 26-05-1995, 29-06-1995). Divided out of No. 946/Cal/96 Ante-dated 24-5-1996.

648/Cal/2000. Vision East Inc. Computer controlled method and apparatus for fairing and painting of marine vessel surfaces. (Convention No. 447,973 filed on 23-11-99 in United States of America).

20-11-2000

649/Cal/2000. TCM Corporation. Forklift having tranverse travel sytem.

22-11-2000

650/Cal/2000. Japan Tobacco Inc. Monoclonal antibody reactive to human cholestrol ester transfer protein .(Convention No. 134836/1995 filed on 2-5-95 in Japan). (Divided out of No. 782/Cal/96 ante dated to 30-4-96).

651/Cal/2000. Maschinenfabrik Gustav Eirich. Device and method for sealing a discharge aperture in a rotating container. (Convention No. 19956939.8 filed on 26-11-99 in Germany).

652/Cal/2000. Deutsche Thomson-Brandt GMBH. Imput filter stage for a data stream, and method for filtering a data stream. (Convention No. 19960785 0 filed on 16-12-99 in Germany).

23-11-2000

653/Cal/2000. The Bacock & Wilcox Company. Fince solid recycle in a circulating fluidized bed. (Convention No. 09/464258 filed on 17-12-99 in United States of America).

24-11-2000

654/Cal/2000. Hewlett-Packard Company. Printhead comprising multiple types of drop generators. (Convention No. 09/539,298 dated 30-03-2000).

ALTERATION OF DATE UNDER SECTION 16

185420 (1772/Cal/95) Ante dated to 25th November, 1991.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

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स्वीकृत सम्पूर्ण विनिर्देश

एतद्द्वारा यह सूचना दी जाती है कि संबद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर दायर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निबंधक एकस्व को उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित वक्तव्य दो प्रतियों में साक्ष्य के साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम 36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाईल कर दिये जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं ।

विनिर्देश तथा चित्र आरेख, यदि कोई हों, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसकी शाखा कार्यालयों से यथाविहित 30/- रुपए प्रति की अवायगी पर की जा सकती है ।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं है, विनिर्देश तथा चित्र आरेख, यदि कोई हों, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ मय 30/- रुपये की अवायगी पर की जा सकती है ।

Ind. Cl. : 32B. 185381

Int. Cl.[5] : A61K—7/28.

AN AQUEOUS LIQUID COMPOSITION FOR USE IN LEATHER PROCESSING.

Applicant : ROHM GMBH, A GERMAN BODY CORPORATE, OF KIRSCHENALLEE, D-64293, DARMSTADT, GERMANY.

Inventors :

1. JURGEN CHRISTNER—German, and
2. GERTRUD WICK—GERMANY

Application for Patent No. 373/Del/96 filed on 23rd Feb., 96.

Convention Application No 29503135.2/Del/24-02-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

An aqueours liquid composition useful in the preparation of processing skins and hides in the beamhouse, said composition comprising enzymatically active substances, and from 10 wt.% up to (100-X) wt. % of molasses, X being the amount of enzymatically active substances in wt. % and having a value of from 0 001 to 90.

(Comp. Specn.: 24 Pagts: Drngs. : Nil Sheet)

Ind. Cl. : 32 F (2a) 185382

Int. Cl.[6] : C 07 C, 39/23

AN IMPROVED PROCESS FOR THE PREPARATION OF MONO-ALKYL CARBONATE OF BISPHENOLS.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

Inventors :

SWAMINATHAN SIVARAM—INDIA,

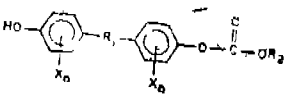
ABBAS-ALI GHUDUBHAI SHAIKH—INDIA

Application for the Patent No 1237/Del/92 filed on 23-12-92.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005

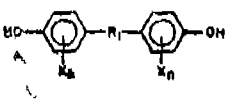
8 Claims

An improved process for the preparation of mono-alkyl-carbonate of bisphenols of the formula I



FORMULA-I

shown in the drawing accompanying this specification where R_1 represents isopropylidens, hexa-fluoroisopropylidene, cyclohexane, sulphone, ketone, ether, phthaline, phthalimide and R_2 represents an alkyl group with 1-8 carbon atoms the alkyl group being linear, branched, or cyclic & x is a straight chain of 1 to 4 carbon atoms or alkyl group consisting or branching or a phenyl group or a halogen atom and n is an integer from 0 to 4 which comprises reacting appropriate substituted bisphenols of the formula II



FORMULA-II

where R_1 & x has the measuring given above with excess dialkylcarbonates having 1 to 8 carbon atoms in presence of a conventional catalyst selected from organometallic compounds of tin or titanium under inert atmosphere at a temperature in the range of 80—150°C and recovering monoalkyl carbonate of bisphenols by conventional meth such as herein described.

(Compl. Specn. 13 pages Drng. 1 Sheet)

Ind. Cl. : 55 E-1. 185383

Int. Cl.[5] : A 61K 35/16.

A PROCESS FOR THE ISOLATION OF A NEW MOTILITY PROMOTING PROTEIN FROM BUFFALO SERUM/PLASMA : A SLAUGHTER HOUSE WASTE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

Inventors :

GOPAL CHANDRA MAJUMDER—INDIA,

MAHITOSH MANDAK—INDIA,

SASWATI BANERJEE—INDIA.

Application for Patent No. 637/Del/96 filed on 27-03-96.

Complete left after provisional filed on 17-03-97.

Appropriate Office for Opposition Proceedings (Rule 4, Patnts Rules 1972), Patent Offict Branch New Delhi-110 005.

3 Claims

A process for the isolation of a new motility promoting protein from buffalo serum/plasma : a slaughter house waste which comprises subjecting buffalo serum/plasma to conventional ammonium sulfate (0 to 80% saturation) fractionation, characterised in that subjecting the said fractionated motility promoting protein to ion-exchange (an-ion/cation) chromatography having column of resins such as carboxy-methyl cellulose/sephadex, diethylaminoethyl cellulose/sephadex polybuffer exchanger resin and using eluent such

as low-ionic buffer, phosphate buffer of pH in the range of 6.9 to 7.5 in having ionic strength in the range of 50—100 mM followed by electrophoresis methods such as herein described to obtain new motility promoting protein.

(Provisional Specification : 9 pages; Drawing Sheet : Nil)
(Compl. Specn : 13 Pages; Drg Sheet : Nil)

Ind. Cl. : 32F (2b) 185384

Int. Cl.[4] : C07 D, 233/42

A PROCESS FOR PRODUCING R-(-)-(E)-[4-(2, 4-DICHLOROPHENYL)-1, 3-DITHIOLAN-2-YLIDENE]-1-IMIDAZOLYLACETONITRILE.

Applicant : NIHON NOHYAKU CO., LTD., A JAPANESE COMPANY OF 2-5, NIHONBASHI 1-CHOME CHUO-KU, TOKYO, JAPAN.

Inventors :
HIROKI KIDAMA—JAPAN,
YOSHIMI NIWANO—JAPAN,
KAZUO KANAI—JAPAN,
MASANORI YOSHIDA—JAPAN

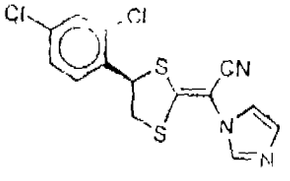
Application for Patent No. 1499/Del/96 filed on 05-07-96.

Convention Application No Hei-7-196174/Japan/8-7-95.

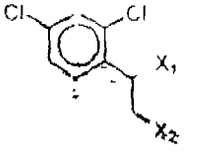
Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for producing R-(-)-(E)-[4-(2, 4-dichlorophenyl)-1, 3-dithiolan-2-ylidene]-1-imidazolylacetonitrile represented by the following formula (I) ;

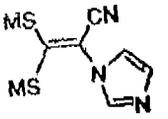


which comprises reacting an optically active glycol derivative represented by the following formula (II) or an equivalent thereof with a dithiolate salt represented by the following formula (III) at a temperature of 0 to 100°C for 0.5 to 24 hours, wherein the derivative represented by formula (II) is used in an amount equi-molar to or in excess of the dithiolate salt represented by formula (III) :



(II)

wherein x_1 and x_2 are the same or different and each represents a methanesulfonyl group, a benzenesulfonyloxy group, a p-toluenesulfonyloxy group, or a halogen atom :



(III)

wherein M represents an alkali metal atom.

(Compl. Specn. 32 pages Drng. Sheet Nil)

Ind. Cl. : 55D1 185385

Int. Cl.[4] : A 61K—35/78

A PROCESS FOR THE EXTRACTION OF TETRAHYDROFURANOLACTONE MEROISOPRENOID SAPIDOLIDE FROM THE PLANT BACCAUREA SAPIDA.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT.

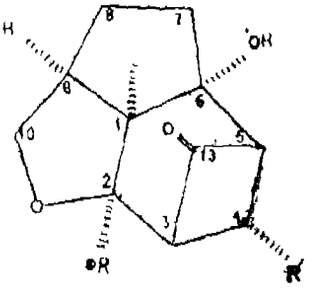
Inventors :
MONOBJYOTI BORDOLOI—INDIA
NABIN CHANDRA BARUA—INDIA
SRINIVASAN MOHAN—INDIA
RAJ KUMAR MATHUR—INDIA
SUBHASH CHANDRA DUTTA—INDIA
ANIL CHANDRA GHOSH—INDIA.

Application for Patent No. 188/Del/96 filed on 23-8-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110 005.

4 Claims

A process for the extraction of tetrahydrofuranolactone meroisoprenoid sapidolide of formula I



from the plant Baccaurea sapidand its derivatives wherein

1. R=H, R'= —CH=CH$_2$
2. R=OAC, R'= —CH=CH$_2$
3. R=P—BrC$_6$H$_4$CO, R'= —CH=CH$_2$
4. R=H, R'= — 8

which comprises :

(a) extracting the parts or the plant *B. sapida* with a polar organic solvent,

(b) concentrating the extract by distilling at reduced pressure,

(c) recovering & purifying tetrahydro-furanolactone mero-isoprenoid sapidolide of the formula 1, from the concentrated extract obtained in step (b) by repeated crystallization.

Compl. Specn. 10 pages Drng. 1 Sheet)

Ind. Cl. : 32 F (2b) 185386

Int. Cl.[4] : C 07 C, 263/12

PROCESS FOR THE PREPARATION OF BIPHENYL ETHER OXAZOLINES.

Applicant : BAYER AKTIENGESELLSCHAFT, A BODY CORPORATE ORGANISED UNDER THE LAWS OF GERMANY, OF D-51368 LEVERKUSEN, GERMANY.

Inventors :
WOLFGANG KRAMER—GERMANY
UDO KRAATZ—GERMANY
CHRISTOPH ERDELEN—GERMANY,
ULRIKE WACHENDORFF—NEUMANNX—GERMANY AND
ANDRESS TURBERG—GERMANY.

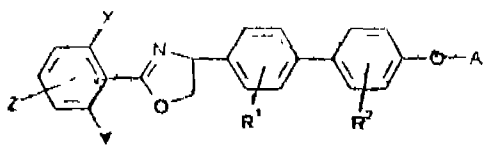
Application for Patent No. 2486/Del/96 filed on 13-11-96.

Convention application No. 19542934.6/DE/17-11-1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi 110 005.

2 Claims

Process for the preparation of biphenyl ether-oxazolines of the formula (I)



(I)

in which

X represents hydrogen, fluorine or chlorine,

Y represents fluorine, chlorine or methyl,

Z represents hydrogen, halogen, alkyl, alkoxy or dialkylamino,

R^1 and R^2 independently of one another represents halogen, alkyl, alkoxy, alkylthio, halogenoalkyl, halogenoalkoxy or halogenoalkylthio, m and n independently of one another represent 0, 1 or 2 and

A represents the grouping $-(CH_2)_p-(CR^3R^4)_q-(CH_2)_r-R$ wherein R^3 and R^4 independently of one another represent hydrogen or alkyl, p, q and r independently of one another represent 0, 1, 2 or 3, at least one index being other than O, and

R represents cyane, or represents on optionally substituted partly saturated or unsaturated 5- or 6-membered heterocyclic radical,

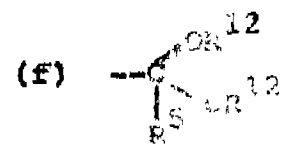
or represents one of the following groupings :

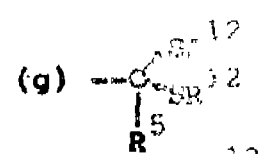
(a) $-CO-R^5$

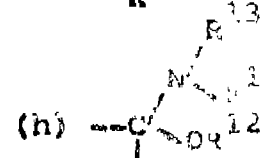
(b) $-CO-OR^6$

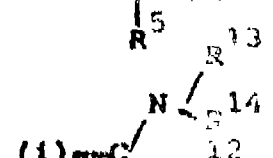
(c) $-CO-NR^7R^8$

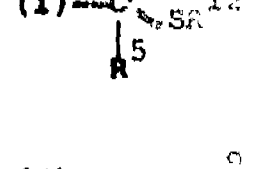
(d) $CS-NR^7R^8$

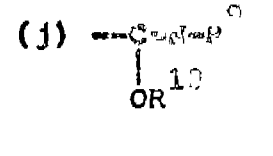
(e) 

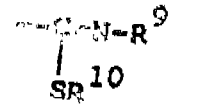
(f) 

(g) 

(h) 

(i) 

(j) 



wherein

R^5 represents hydrogen, alkyl, halogenoalkyl, alkenyl, halogenoalkenyl, optionally substituted cycloalkyl or optionally substituted aryl,

R^6 represents hydrogen, alkyl, alkenyl, halogenoalkyl, halogenoalkenyl, optionally substituted arylalkyl or in each case optionally substituted cycloalkyl or cycloalkylalkyl,

R^7 and R^8 independently of one another represent hydrogen alkyl, alkoxy, alkenyl, halogenoalkyl, halogenoalkenyl, in each case optionally substituted aryl or arylalkyl, or in each case optionally substituted cycloalkyl or cycloalkylalkyl, or represent $-OR^6$ or $-NR^5R^6$,

wherein

R^5 and R^6 have the abovementioned meaning, or

R^7 and R^8 together represent a 5 or 6-membered alkylene chain, which optionally contains an oxygen atom,

R^9 and R^{10} independently of one another represent alkyl,

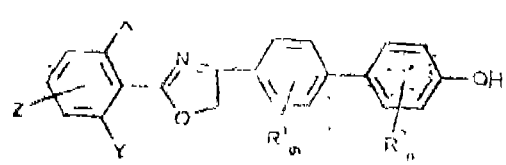
R^{11} represents $-OR^6$, $-NR^5R^6$ or $-N(R^5)-COOR6$,

wherein

R^5 and R^6 have the abovementioned meaning, and

R^{12}, R^{13} and R^{14} independently of one another represent alkyl,

characterized in that hydroxybiphenyloxazolines of the formula II



in which

X, Y, Z, R^1, R^2, m and n have the same meaning as given above, are reacted with a compound of the formula (III)

M-A (III)

in which

A has the same meaning as given above and

M represents a leaving group,

if appropriate in the presence of a base and/or a catalyst and if appropriate in the presence of a diluent.

(Compl. Specn. 77 pages Drng. Sheet Nil)

Ind. Cl. : 55E4 185387

Int. Cl.[4] : C 08 G - 18/00

AN IMPROVED PROCESS FOR THE PREPARATION OF POLYURETHANE MICROCAPSULES CONTAINING PESTICIDE-MUNOCROTOPHOS.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :
PARSHURAM GAJANAN SHUKLA (INDIA),
SWAMINATHAN SIVARAM (INDIA),
NATARAJAN RAJAGOPALAN (INDIA).

Application for Patent No. 2737/Del/96 filed on 10-12-96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005

12 Claims

An improved process for the preparation of polyurethane microcapsules containing pesticide-monocrotophos which comprises preparing a solution of diol or polyol having molecular weight in the range of 200—2000, crosslinker, monocrotophos and a catalyst selected from amino or organometallic compounds, dispersing this solution into a dilute solution of a stabilizer having the formula $(A)_n$—$(B)_m$ Where A and B are chemically and compositionally dissimilar segments where n and m segments are in between 30—115 and 10—60 units respectively such that the sum of n and m does not exceed 175 units in a aliphatic hydrocarbon, adding an isocyanate dropwise to the hydrocarbon agitating the mixture at 1000—1400 revolutions per minute for the first 6—8 hours and then at 500—800 revolutions per minute for an additional period of 14—18 hours at a temperature between 30° to 40°C to permit the formation of polyurethane microcapsules, heating the dispersion for an additional period of 1-2 hours at a temperature not exceeding 50°C, filtering the microcapsules, washing the microcapsules with lower aliphatic hydrocarbon and drying the microcapsules under vacuum at temperature between 20° to 35°C.

(Compl. Specn. 20 pages; Drng. Sheet Nil)

Ind. Cl. : 55F. 185388

Int. Cl.[4] : A 61 K 31/56.

A PROCESS FOR THE PREPARATION OF ESTRA-5α-(HYDROXY-9-EN-11 β-(4- (N, N-DIMETHYLAMINO) PHENYL) -17β -HYDROXY-17- (3 METHYL-1-BUTYNYL) - CYCLIC-3-(1 2-ETHANEDIYL) ACETAL

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

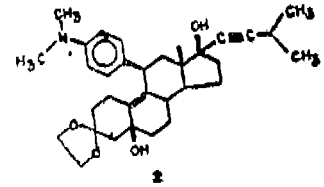
Inventors :
1. BRAJA GOPAL HAZRA—INDIA
2. VANDANA SUDHIR PORE—INDIA
3. PADMAKAR LAXMAN JOSHI—INDIA
4. SOURAV BASU—INDIA.

Application for Patent No. 2956/Del/96 filed on 27-12-96.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) ,Patent Office Branch, New Delhi-110 005.

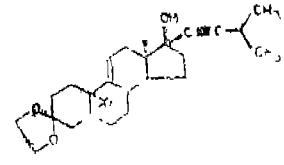
6 Claims

Aprocess for the preparation of estra-5 α-hydroxy-9-en-11 β-(4- (N, N-dimethylamino) phenyl) -17β -hydroxy-17-(3-methyl-1-butynyl) -cyclic-3- (1, 2-ethanediyl) acetal of formula 2



2

which comprise adding 4-(N, N-dimethylamino) phenyl magnesium bromide reagent to estra-5, 10 α-oxido-9(11)-en-17 β-hydroxy-17-(3-methyl-1 butynyl)-cyclic -3-(1, 2-ethandiyl) acetal of general formula 1



and cuprous halide as a catalyst in an etheral organic solvent at a temperature below -10°C, stirring the mixture for 2 to 24 hrs. at a temperature in the range of -10 to 25°C, quenching the reaction mixture, extracting the product in organic solvent, separating the organic layer and removing the solvent by evaporation below room temperature under vacuum, further purifying the crude product obtained, by conventional column chromatography to obtain estra-5-5α-hydroxy-9-en-11β -(4-(N-dimethylamino phenyl)-17β -hydroxy-17 (3-methyl-1-butynyl) -cyclic-3-(1, 2-ethanediyl) acetal.

(Compl. Specn. 9 Pages Drng 1 Sheet)

Ind. Cl. : 55E4 185389

Int. Cl.[4] : C 07 C-27/00.

A PROCESS FOR THE PRRPARATION OF E (-) SILANE [1-(2-IODOETHENYL) -1-METHYLHEXYL) OXYL] TRIMETHYL.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG NEW DELHI 110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT

Inventors :
1. THOTTAPPILIL RAVINDRANATHAN—INDIA
2. RADHIKA DILIP WAKHARKAR—INDIA
3. ARAVIND BAPURAO LANDGE—INDIA.

Application for Patent No. 654/Del/97 filed on 17-3-97

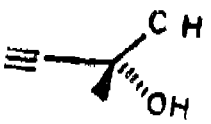
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for the preparation of E(-) silane [1-(2 iodoethe nyl)- (1-methylhexyl) oxyll trimethyl of the formula IV

IV

which comprises(a) preparing a solution of the optically active S(-) 3-hydroxy-3-methyl-1-octyne of formula I

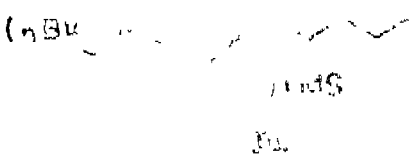


I

in dimethyl foramide, (b) treating this solution with trimethylsilyl chloride in presence of a base at a temperature ranging between 0° to ambient, (c) stirring the mixture for a period of 10 to 20 hrs., (d) quenching the reaction and recovering the compound of formula II

II

by conventional methods, (e) purifying the compound of the formula II by distillation, (f) treating the compound of the formula II with n-tributyltin hydride in presence of azobisisobutyronitrile (AIBN) at a temperature ranging between 100 to 150°C for 2 o 5 hrs. under inert atmosphere, (g) removing the excess tributyltin hydride to obtain the compound of the formula III.



(h) dissolving the compound of formula III in dry ether, cooling the solution at a temperature in the range of -10 to 0°C and adding the solution of iodine, evaporating the ether to obtain the residue, (i) treating the residue with alcoholic slurry of alkali flouride, separating the salts by conventional methods, evaporting the solvent from the filtrate to dryness and recovering the compound of formula IV by conventional methods.

(Compl. Specn. 9 Pages. Drng 1 Sheet)

Ind. Cl. : 55 E, 185390

Int. Cl[6] : A 61 K 31/00

"AN IMPROVED PROCESS FOR THE PREPARATION OF 3, 5-LUTIDINE".

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor(s) :
SHIVANAND JANARDAN KULKARNI—INDIA,
REVUR RAMACHANDRA RAO—INDIA,
YARLAGADDA VENKATA SUBBA RAO—INDIA,
MACHIRAJU SUBRAHMANYAM—INDIA,
UDAY TRIAMBAKRAJ BHALERAO—INDIA AND
KONDAPURAM VIJAY RAGHAVAN—INDIA.

Application for Patent No. 2958/Del/96 filed on 27th Dec., 96.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

5 Claims

An improved process for the preparation of 3, 5-lutidine which comprises passing a feed consisting of propionaldehyde, formaldehyde, ammonia and water over modified pentasil ZSM-5 catalyst such as herein described at a temperature in the range of 300—450°C at a weight hourly space velocity in the range of 0.25 to 1 per hour and recovering the product by known chromatographic methods.

(Compl. Specn : 11 Pages; Drgn. Sheet : Nil)

Ind. Cl. : A 01 K 47/00, 57/00 185391

Int. Cl.[6] : 5D

A COMPOSITION TO ATTRACT INDIAN HONEY-BEES APIS FLOREA.

Applicant :
1. DR. DATTATRAYA GOPAL NAIK &
2. DR. ARVIND HARI KAPADI BOTH OF CHEMISTRY GROUP,
AGHARKAR RESEARCH INSTITUTE,
G. G. AGARKAR ROAD,
PUNE 411 004.
3. DR. KAMALAKAR KRISHNA KSHIRSAGAR
CENTRAL BEE RESEARCH AND TRAINING INSTITUTE,
1153, GANESHKHIND ROAD,
PUNE-411 016.

Application No. : 405/Bom/1995 filed on 14-9-95.

Complete after provisional left 4-9-1996.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office Branch, Mumbai-400 001.

01 Claim

A composition for attracting honey bees apis florea comprising E-citral (amount in the range 0.1 µl-0.35 µl) In liquid paraffin (5 ml) loaded on a support, plaster of paris blocks (diameter 1 cm, height 1 cm).

Compl. Specn. 4 Pages Drng. Nil)
Provisional Specn. 2 pages Drng. Nil

Ind. Cl. : 55 E_4 [XIX] 185392

Int. Cl. : A 61 K—35/78.

A METHOD FOR AN AYURVEDIC PREPARATION FOR PREVENTING AND/OR CURING URINARY DISORDERS.

Applicant : SHANTANU CHANDRASHEKHAR SANE, 390-A, NARAYAN PETH, RATAN APARTMENTS, PUNE-411 030, MAHARASHTRA STATE, INDIA, AN INDIAN CITIZEN.

Inventor : CHANDRASHEKHAR HARI SANE (VAIDYA).

Application No. 95/Bom/98 filed on 23-02-1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

A method for an Ayurvedic preparation for preventing and/or curing urinary disorders comprising, thoroughly mixing the powder of the following ingredients :

(1) **Wyaghri :** Caesalpinia-sepearia-Roxb.—100 gms.

(2) Ginger in powder form : Zinziber officinale—25 gms.

(3) **Gulwel :** Tinospora-Cordifolia—50 gms.

(4) **Sarate :** Tribulus-terestris—200 gms.

(5) Triphala :

(a) Amla : Emblica officinale Gaertn (Phyllanthus emblica L.)—5 gms.

(b) Behed : Terminalia belerica Roxb.—5 gms.

(c) Hirda : Terminalia chebula Retz—5 gms.

(6) Hinganbet :

(a) Balnites-roxburghii-Planch.—100 gms or

(b) Balanites-aegyptica (L) Oelip—100 gms ;

the said ingredients pounded to form fine powder and thoroughly mixed, to be dispensed in powder or tablet or capsule forms in requisite doses.

Compl. Specn. 3 pages Drng. Nil

Ind. Cl. : 55 E_4 185393

Int. Cl. : A 61K 35/78

A METHOD FOR AN AYURVEDIC PREPARATION FOR PREVENTING AND/OR CURING TONSILLITIS.

Applicant & Inventor : CHANDRASHEKHAR HARI SANE (VAIDYA) 390-A, NARAYAN PETH, RATAN APARTMENTS PUNE-411 030, MAHARASHTRA, INDIA.

Application No. 256/Bom/1998 filed on May 5, 1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

01 Claims

A method for this Ayurvedic preparation for preventing and/or curing Tonsillitis by selecting ingredients mentioned in proportions given below :—

(1) Tulas—Ocinum sanctam Linn	100 gms.
(2) Chitrak—Plumbago rosea	100 gms.
(3) Talispatra—Taxas-baccata	10 gms.
(4) K[illegible]ki—Celsia-coromendeliana	10 gms.
(5) [illegible]na—Collisinthus citrullus shrad	100 gms.
([illegible]a—Glycyrrhiza-glabra	20 gms.
[illegible]ulum-vulgare	20 gms.
[illegible]-carpium	40 gms.

[illegible]rava
2—[illegible]thamadu
[illegible]hep—Fanic
[illegible]Selanium-zan

the said ingredients are mixed and a decoction in 4 to 4.5 Litrs. of water is made to 1/4th quantity of original water.

Compl Specn 3 Pages: Drgns. Nil.

Ind. Cl 32 F_3(b) 185394

Int Cl. : A 61 K 31/47.

AN IMPROVED PROCESS FOR THE MANUFACTURE OF ERYTHRO-MEFLOQUINE HYDROCHLORIDE.

Applicant : LUPIN LABORATORIES LTD., AN INDIAN COMPANY OF 159, C.S.T. ROAD, KALINA, SANTACRUZ (EAST) MUMBAI-400 098, MAHARASHTRA, INDIA.

Inventors :

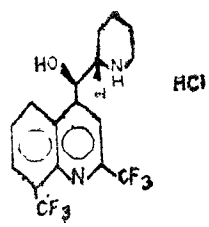
1. VINOD KUMAR KANSAL.
2. PADMANILAYAM PARMESWARAN MANIYAN.
3. SANJAY SHANKAR DESHMUKH.
4. NIRANJAN LAL GUPTA.

Application No. 264/Bom/98 filed on 8-5-98.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Mumbai-13

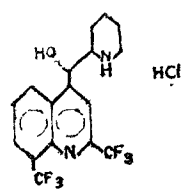
13 Claims

A process for diasterospecific synthesis of erythro mefloquine hydrochloride of formula (I)



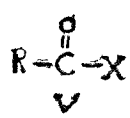
which comprises of,

a. acylating a mixture of racemic erythro and three mefloquine hydrochloride of formula IV.



IV (Erythre + Three)

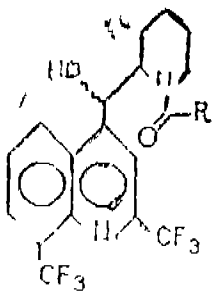
with an acylating agent of formula V,



V

wherein R=alkyl, phenyl, substituted phenyl, aralkyl, alkoxy, acyloxy, arylalkyloxy, X is chloride, bromide, iodide, imidazolyl, N-hydroxysuccinamide, R'-C-O wherein R' has the same meaning as R and, R & R' together may be same or different.

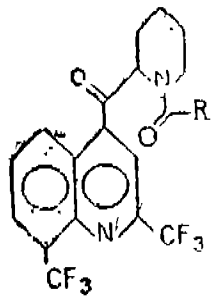
in the presence of a base in an organic solvent to give the corresponding N acyl derivative of formula VI



VI

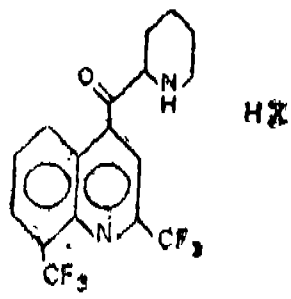
wherein R is as defined in formula V.

b. the N-acyl derivative of formula VI is treated with an oxidising agent to obtain the corresponding N-acyl keto derivative of formula VII.



VII

c. the compound of formula VII is hydrolysed in an alcoholic solvent mixture of TFA/mineral acid to give the corresponding keto hydrohalide i.e. α-piperidin-2-yl-2, 8-bis (trifluoromethyl)-quinolin 4-yl-ketone hydro halide of formula VIII.



VIII

wherein X—Cl, Br.

d. the keto hydrohalide of formula VIII is then reduced with a reducing agent at 0°C to room temperature to obtain the desired erythro mefloquin hydrochloride (I)

(Compl. Specn. 18 Pages; Drng. Nil)

Ind Cl. : 55 D_2 185395

Int. Cl. : C 11 D-3/48

A METHOD OF PRODUCING AN ACIDIC ANTIMICROBIAL COMPOSITION.

Applicants . HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

1. MARCELLA MARGHERITA LEDA BARTOLETTI
2. GIUSEPPE VINCENZO BOLZONI
3. EMANUELA FERRO.
4. MARCO GALLI.
5. CAROLYN ELIZABETH JONES
6. RONALD MEREDITH MORRIS.

Application No. 643/Bom/1998 filed on Oct. 5, 1998

U. K. Convention date Oct. 13, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

03 Claims

A method of producing an acidic, antimicrobial composition comprising/mixing :

(a) 0.01–15% wt of an alkoxylated aliphatic amine with 8 20 carbon atoms and 1–8 units of alkoxylation;

(b) 0.01–15% wt of a sulphamic acid; and

(c) 1–10% wt of hydrogen peroxide.

Compl. Specn. 14 Pages; Drgns. Nil.

Ind. Cl. . 55E2 + E4, 185E 185396

Int. Cl. : A 61 K, 31/00

A METHOD FOR MAKING A TEA BASED BEVERAGE.

Applicants : HINDUSTAN LEVER LTD. HINDUSTAN LEVER HOUSE 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

1. MICHAEL CHARLES CIRIGLIANO.
2. WILLIAM CONRAD FRANKE.
3. MEGHAN MARY KEMLY.
4. RAYMOND THOMAS MCKENNA
5. PAUL JOHN ROTHENBERG.

Application No. 680/Bom/1998 filed on October 23, 1998.

UK Convention date October 28, 1997

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013

10 Claims

A method for making a tea based beverage comprising :

(a) adjusting the water hardness of the beverage to a level of 10 to 150 ppm;

(b) adjusting the pH of the beverage to between 2.5 and 4.0;

(c) adding 100 to 1000 ppm of polyphosphate to the beverage;

(d) adding 10 to 75 ppm of a sequestrant other than polyphosphate to the beverage;

(e) adding 50 to 1000 ppm of benzoic acid or benzoate to the beverage;

(f) adding 50 to 1000 ppm of sorbic acid or sorbate to the beverage; and

(g) adding to the beverage 20 to 2000 ppm of a compound selected from the group consisting of cinnamic acid; cinnamic acid salts, cinnamic acid esters and mixtures thereof.

Compl. Specn. 23 Pages; Drgns. Nil.

Ind. Cl. : 185 C, 83A 1 185397
Int. Cl. : A 61K, 35/78, A23 L, 1/22, 3/32

A METHOD FOR MAKING A TEA BEVERAGE.

Applicant : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

1. MICHAEL CHARLES CIRIGLIANO
2. FRANCIS JOHN FARRELL
3. RAYMOND THOMAS MCKENNA
4. PAUL JOHN ROTHENBERG

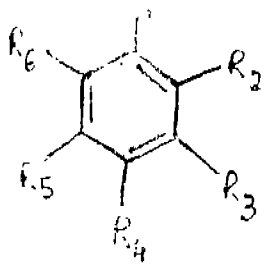
Application No. 681/Bom/1998 filed on Oct. 23, 1998

U.K. Convention priority date October 28, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

13 Claims

A method for making a tea beverage comprising adding to said beverage an antimicrobiologically effective amount of a compound of the formula



wherein said R1 is a moiety having up to nine carbon atoms and at least one double bond ;

wherein said R2-6 groups can independently be H or a low molecular weight non-halogenated neutral or electron releasing group and at least one of said R2-6 groups is a low molecular weight non-halogenated neutral or electron releasing group, said compound being present in the beverage in an antimicrobial effective amount and said compound being capable of having a selective flavouring effect on said foodstuff.

Compl. Specn. 26 pages ; Drng. Nil

Ind. Cl. : 55 D_2 [XIX (1)], 139 G 185398

Int. Cl. : C 01 B-17/00; A 01 N-59/02

A PROCESS OF MANUFACTURING AN IMPROVED FUNGICIDAL/MITICIDE FORMULATION

Applicant : SULPHUR MILLS LTD. OF 303/304, T. V ESTATE, S. K. AHIRE MARG, WORLI, MUMBAI-400025 MAHARASHTRA, INDIA, INDIAN COMPANY.

Inventors ;

1 .DEEPAK SHAH.
2. VADAKKEKUTTUPUTHEMPARAM T. BALCHAND

Application No. 852/Bom/99 filed on 25-11-99.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 19/2), Patent Office Branch, Mumbai-400 013.

8 Claims

A process of Manufacturing an improved Fungicidal/Miticide formulation consisting of the following ingredients;

Sulpher Powder	70 to 80%
Wetting Agent	5 to 0.5%
Dispersing Agent	5 to 0.5%
Filler Foaming	19 to 17%
Anti Foaming Agent	1 to 1%

which are mixed thoroughly to minute particle size, the resultant mixture is wet grinded by adding water to achieve particle size ranging from 0.1 to 20 microns; agglamarating/granulating the minor particle of wet grinding aqueous suspension by subsequently drying in spray/fludized bed spray and fluid bed spray granulator or a combination thereof to get water dispersible granules ranging from 100 to 200 microns which have better bioefficacy.

Compl. Specn. 18 Pages; Drgns. Nil.

Ind. Cl. . 55 D_2 [XIX(1)] 185399
139-G.

Int. Cl. : C 01 B 17/00
A 01 N 59/02 .

AN IMPROVED PROCESS OF FUNGICIDE/MITICIDE, SULPHUR FORMULATION IN THE DRY FLOWABLE FORM (W.G.).

Applicant : SULPHUR MILLS LTD. OF 303/304, T. V. ESTATE, S. K. AHIRE MARG, WORLI, MUMBAI-400025, MAHARASHTRA, INDIA.

Inventors :

1 .DEEPAK SHAH.
2. MR. VADAKKEKUTTUPUTHENPARAM THANKAPPAN BALCHANDRAN.

Application No. 853/Bom/99 filed on 25-11-1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Mumbai-400 013.

7 Claims

An improved process of manufacturing fungicidal composition comprising the following steps.

1. Mixing sulphur powder, adjuvants and fillers in a pulveriser to make a dry powder ;
2. adding water to the dry powder obtained in step (1) with vigrous stirring to make homegeneous slurry;
3. grinding with correct media size (5 to 3 microns) and strength to get the range of particle size as required for the efficient bioefficacy;
4. removing the moisture and first stage of granulation;
5. compacting the granuals to biggersize (100—200 microns);
6. removing fine dust and recycling the same into the dryer;
7. the standard air with very little fines is passed through a ventury and/or a packed column and;
8. the finished product is collected and bagged or packed as required.

Compl Specn. 12 Pages Drgns. Nil.

Ind. Cl. : 32 F. 185400

Int. Cl. : C 07 B—43/02.

A METHOD FOR THE PREPARATION OF A SHEAR MIXED INCLUSION COMPLEX OF 4-NITRO-2-PHENOXYMETHANE - SULFONANILIDE (NIMESULIDE) AND NON-IONIC SURFACTANT WITH CYCLODEXTRIN.

Applicants : USV LIMITED, B.S.D MARG (GOVANDI STATION ROAD), GOVANDI, MUMBAI-400088, MAHARASHTRA, INDIA.

Inventors :

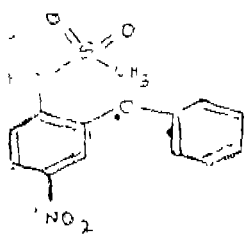
1. PRASHANT KUMR TIWARI
2. DR. SURESH KUMAR GIDWANI

Application No. : 773/Bom/1999 filed on Nov. 5, 1999.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

11 Claims

A method for the preparation of a shear mixed inclusion complex of 4-nitro-2-phenoxymethane sulfonanilide (nimesulide) of the Formula 1 .



Formula

and non-ionic surfactant with cyclodextrin which comprises

(a) dissolving the non-ionic surfactant in a pharmaceutically acceptable solvent such as water, acetone and or C_1—C_4 aliphatic alcohol at ambient temperature to 80°C;

(b) wetting cyclodextrin of particle sizes 10—250 µm with the solution of the non-ionic surfactant;

(c) shear mixing the resulting semi-solid mixture with the nimesulide of micronised particle sizes of 0.1 — 40 um and

(d) drying the shear mixed inclusion complex at 40—80°C, the molar ratio of nimesulide to cyclodextrin being 1 : 1—4, the molar ratio of nimesulide to non-ionic surfactant being 1 : 0,02—1; and the molar ratio of the solvent to cyclodextrin being 1 : 3—6.

(Compl. Specn. : 32 Pages, Drgn : Nil Sheet)

Ind. Cl. : 40 B [IV (1)] 185401

Int. Cl. : B 01 J—08/18

PROCESS FOR REGENERATION OF FLUIDISED CATALYST AND APPARATUS FOR CARRYING OUT SUCH PROCESSES.

Applicant & Inventor : ROBERT W. PFEIFFER, OF 3, HIDDEN SPRING LANE, RYE, NEW YORK 10580, UNITED STATES OF AMERICA.

Application No. 398/Bom/95 filed on 08-09-95.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch Mumbai-13

20 Claims

A process for regeneration of fluidized solid catalyst in a reaction zone to which a reactant feed and particulate solids are introduced under reaction conditions, the establishment of which is facilitated by the presence of the solids, which reaction results in the degradation of the solids, the process comprising (i) withdrawing from the reaction zone reaction product and the degraded particulate solids, (ii) separating the degraded solids from the reaction product, (iii) transferring the separated, degraded solids to a regeneration zone for regeneration of the solids in a fluidized bed of the solids, and (iv) withdrawing the regenerated solids from the regeneration zone and returning them to the reaction zone, the improvement comprising that :

(a) the regeneration zone fluidized bed is divided by horizontally-disposed occlusion means disposed in an occlusion zone into an uppermost fluidized bed zone and atleast one lower fluidized bed zone ;

(b) the process comprises maintaining the regeneration zone fluidized bed so that it extends continuously through the upper most bed zone, the occlusion zone and the lower bed zone ; flowing the degraded solids into the uppermost bed zone and therein at least partially regenerating the solids by carrying out regeneration reaction, thereafter flowing the solids through the occlusion zone and the lower bed zone and optionally carrying out further regeneration in one or both of the occlusion and the lower bed zones, withdrawing the regenerated solids from the lower bed zone and returning them to the reaction zone, and flowing a heat exchange medium through at least one of the occlusion zone and the lower bed zone in heat exchange with the portion of the regeneration zone fluidized bed contained therein.

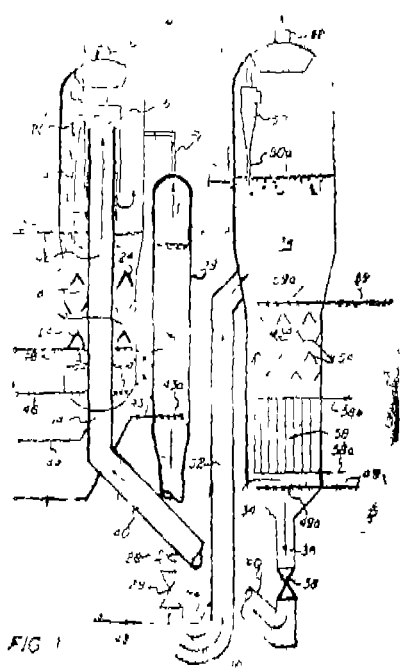


FIG 1

Comp. Specn. 23 pages, Drgs. 5 sheets.

Ind. Cl. . 189 [LXVI (9)]. 185402

Int. Cl. : A 61 K, 7/00.

A PERSONAL CARE COMPOSITION IN THE FORM OF AN AQUEOUS LIQUID.

Applicant : HINDUSTAN LEVER LIMITED HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, BOMBAY-400020 MAHARASTRA, INDIA.

Inventor : GRAHAM ANDREW TURNER.

Application No. : 447/Bom/1995 filed on 20-10-1995.

(Priority data No. 9421185.1 of Graten Britain dated 20-10-1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

8 Claims

A personal care composition in the form of an aqueous liquid comprising :

(i) A lipid composition comprising three components A, B and C where a is a molecule having at least two hydrocarbon chains and a polar head group for which

$$0{\cdot}5 < \frac{V}{a_0\ l_c} \leq 0{\cdot}1;$$

WHERE:

V is the volume of the hydrocarbon chains.
lc is the critical length of the hydrocarbon chains.

a_0 is the optimum area of the polar head group

B is a molecule having one long chain and a polar head group; and C comprises a compound capable of assisting the formation of lipid bilayers and stabilising any lipid bilayers formed in the lipid composition and the molar ratio of A:B:C is 1.0 : 1.5 to 6.0 : 1.1 to 8.0;

(ii) A surface active agent selected from anionic, non-ionic, cationic, zwitterionic, amphoteric surface active agents, soap and mixtures thereof; and

(iii) A deposition aid such as herein described.

(Compl. Specn. : 36 Pages; Drgn. : Nil Sheet)

Ind. Cl. : 68-E-1 [VII(3)] 185403

Int Cl : G 05 F. 1/10, 5/00.

A DEVICE CAPABLE OF DELIVERING CONSTANT ENERGY TO THE ELECTRODE OF PACKAGING MACHINE.

Applicant : NICHROME METAL WORKS PVT. LTD. 46, DR. AMBEDKAR ROAD, NEAR SANGAM BRIDGE, PUNE-411 001, MAHARASHTRA, INDIA.

Inventor : PRABHAS BALRISHNA PARANJAPE.

Application No. 453/Bom/95 filed on November 01, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claim

A device capable of delivering constant energy to the electrode of packaging machine comprising of a voltage reference circuit, receiving A.C. input connected to timer block; the said timer block consists of a charging circuit and a timer, with adjustment potentiometer and under/over time limit circuit; a solid state relay in series with a power transformer connected to said timer block for getting control signal with reference to fluctuating voltage.

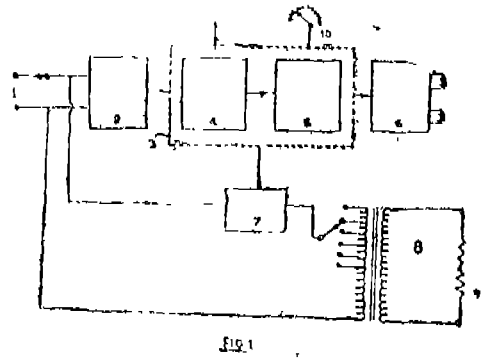


Fig 1

Compl. Specn. 5 pages Drng. 1 Sheet

Ind. Cl. : 80 I (VI) 185404

Int .Cl. : B 0 1 D, 25/08.

A CONTINUOUS FILTER TO SEPARATE SOLIDS FROM LIQUIDS.

Applicant & Inventor : UMESH KULKARNI KONARK ENTERPRISES 108, KALPATARU APARTMENTS, 27/1-B, ERANDAWANE, PUNE-411 004, MAHARASHTRA, INDIA.

Application No. : 514/Bom/95 filed on December 7, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

1 Claims

A continuous filter (1) to separate solids from liquids comprising an endless filter cloth (2) driven by a prime mover (3) which drives a bigger drive roller (4) having belt tensioning arrangement (7), the actual feed (8) consists of muddy sludge or slurry poured over the protion (9) of the said endless filter cloth (2), there is provided a trough (11) below the liquid head (10) for collecting the filtrate which is taken away (12), there is provided vibrating means (13), a vaccum suction means (15) below the said endless filter cloth (2), a steam heating or other external heating means to dry the filtrate sludge above the endless filter belt a scraper (17) is provided to scrap the solids (16) which are collected in a trough, there is provided an air jet (21) and water jet (22) to clean the endless filter cloth (2) with a scruber roller (26), arrangement being such that the filtration process is continuous.

(Compl. Specn : 4 Pages; Drgn. : 1 Sheet)

Ind. Cl. : 47 E [XXXII (1)]. 185405

Int. Cl. : C 10 B—29/06.

A NEW COKE OVEN BATTERY HAVING MEANS TO REDUCE THE CONCENTRATION OF CARBON MONOXIDE IN THE WASTE GAS.

Applicant : KRUPP KOPPERS GMBH ALTENDORFER STRASSE 120, D-45143 ESSEN, GERMANY.

Inventors :

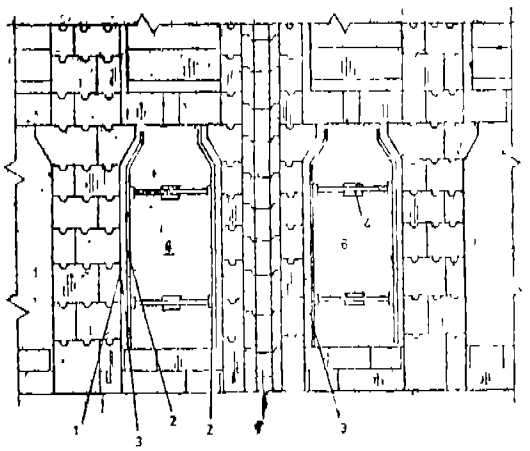
1. REINKE MARTIN
2. HIPPE WERNER
3. MEYER GUNTER
4. OLDENGOTT HANS

Application No. : 532/Bom/95 filed on 19-12-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013

5 Claims

A new coke oven battery having means to reduce the concentration of carbon monoxide in the waste gas comprising a regenerator having brick-built separating walls (1) between ducts (6) that carry lean gas and waste gas, characterized by the feature that, in front of the regenerator separating wall (1), are arranged stainless steel sheets (2) with, an intermediate layer (3) that is located behind it comprising ceramic fibers, whereby the stainless steel sheets (2), that alternate with one another in each case, are preferably held by rod-shaped tensioning devices (4).



(Compl. Specn. : 10 Pages; Drgns : 3 Sheets)

Ind. Cl. : 32 F_4. 185406

Int. Cl. : C 07 C—149/12.

A PROCESS FOR PRODUCING DIMETHYL DISULFIDE.

Applicants : INDIAN PETROCHEMICALS CORPORATION LTD., P.O. PETROCHEMICALS, DISTRICT—VADODARA-391 346, GUJARAT, INDIA.

Inventors :

1. ANIL WALI
2. GANESHPURE A. PRALHAD
3. SATISH SHEO.

Application No. : 75/Bom/96 filed February 7, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

7 Claims

A process for producing dimethyl disulfide (DMDS) which comprises :

(a) reacting sodium sulfide and sulfur in water at temperature between 80 and 150°C and a pressure between 25 and 100 psig to produce the corresponding disulfide, and

(b) contacting said disulfide with chloromethane in the presence of a hydrotope or phasetransfer catalyst of the kind such as herein described at a temperature of 60 to 120°C and a pressure from 20 to 100 psig to obtain dimethyl disulfide.

(Compl. Specn. 10 Pages; Drgn. Nil Sheet)

Ind. Cl. : 99 G [XL (4)]. 185407

Int. Cl. : B 05 B—1/22.

AN IMPROVED SINGLE LEVER BASIN MIXER WITH SWIVEL SPOUT.

Applicant : VELMOR HOME DECOR PVT. LTD. OF DAYASAGAR INDUSTRIAL ESTATE, GODDER ROAD, BHAYANDER-401105, MAHARASHTRA, INDIA.

Inventor : SHRI HEMANT S. SHAH.

Application No. : 430/Bom/96 filed on 19 August, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

3 Claims

An improved single lever basin mixer with swivel spout comprising a main body (4) having atleast two channels, connected with hot and cold water supply and/or water and air supply, which are mixed in the mixing chamber (9) and eject through a fixed spouts, (6) having integrally fitted with a swivel spout (8) having 360° degrees rotation so as to provide mixed water or mixed water and air in all direction which is operated by means of a single lever provided on the main body.

(Compl. Specn. : 6 Pages; Drgns. : 2 Sheets)

Ind. Cl. : 45 B_2 [II (1)]. 185408

Int. Cl. : E 03 D—1/00.

AN IMPROVED WATER CLOSET SEAT COVER.

Applicants & Inventor : YEDI ERUCHSHAW PATEL, SILLO YEZDI PATEL, ROSHAN DADI PATEL, PARTNERS OF PATEL PLASTIC CORPORATION, 11 HILTON APARTMENTS, 35-A HILL ROAD, BANDRA (WEST), MUMBAI-400 050, MAHARASHTRA, INDIA.

Application No. : 431/Bom/96 filed on 19th August, 1996.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

5 Claims

An improved water closet sheet cover consisting of base seat cover (9), lid cover (6) and hinges (7), wherein base cover is projected with minted collar which house the sharp end of the hinges, thereby distributing the load evenly on all the four corners, thus provides a comfortable seat with less wear and tear.

(Compl. Specn. : 6 Pages; Drgns. : 2 Sheets)

Ind. Cl. : 32 C + 55 E_2 + 55 E_4. 185409

Int. Cl. : C 07 K 13/00, A 61 K 39/40.

A PROCESS FOR PREPARING MULTIVALENT AND MULTISPECIFIC ANTIGEN—BINDING PROTEIN.

Applicant : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.

Inventors :

1. PAUL JAMES DAVIS
2. CORNELIS PAUL ERIK VAN DER LOGT
3. MARTINE ELISA VERHOEYEN

Application No. : 183/Bom/97 filed on 2nd April, 1997.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

A process for preparing a multivalent antigen binding protein comprising :

(i) transforming at least one host by incorporating genes encoding a first polypeptide comprising, in series, three or more variable domains of an antibody heavy chain and a second polypeptide comprising, in series, three or more variable domains of an antibody light chain;

(ii) expressing said genes and said host or hosts;

(iii) allowing said first and second polypeptides to associate outside the host cell to form the protein; and

(iv) optionally isolating the protein thus obtained in step (iii) above from the host by conventional methods.

(Compl. Specn. : 58 Pages; Drgns. : 35 Sheets)

Ind. Cl. : 55 E_4 Gr [XIXV] 185410

Int. Cl. : A 61 K—35/78.

A METHOD FOR AN AYURVEDIC PREPARATION FOR PREVENTING AND/OR CURING GASTRITIS.

Applicant : SHANTANU CHANDRASHEKHAR SANE, 390 A NARAYAN PETH RATAN APARTMENTS, PUNE-411 030. MAHARASHTRA, INDIA, AN INDIAN CITIZEN.

Inventor : CHANDRASHEKHAR HARI SANE (VAIDYA).

Application No. : 94/Bom/98 filed on 23-2-1998.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Mumbai-400 013.

2 Claims

A method for an Ayurvedic preparation for preventing and/or curing gastritis and flatulance comprising step of selecting ingredients viz :

1. Gulwel	:	Tinospora-Cordifolia.	100 gms.
2. Hinganbet	:	(a) Balnites-roxburghii-Planch	100 gms
		OR	
		(b) Balannites-aegyptica (L) Oclip	100 gms
2. Triphala	:	Amla ; Emblica officinale (Phyllanthus emblica L.)	5 gms.
		Beheda ; Terminalia belerica Roxb	5 gms.
		Hirda : Terminalia chebula Retz.	5 gms.
4. Tulsi	:	Ocimum-sanctum Linn.	50 gms.

grinding the said ingredients in powder form and mixing them thoroughly to get in the form of powder, tablets or capsules or as a variation injectables prepared from the same

(Compl. Specn. : 4 Pages; Drgns. : Nil Sheet)

Ind. Cl. : 172 D2. 185411

Int. Cl.[6] : B 65 G 15/10.

A DEVICE FOR CONVEYING CYLINDRICAL OR CONICAL TUBES ON A TEXTILE MACHINE.

Applicant : RIETER ELITEX A. S. USTI NAD ORLICI CESKOSLOVENSKE ARMADY 1181, 562 15 USTI NAD ORLICI, CZECH REPUBLIC

Inventors :

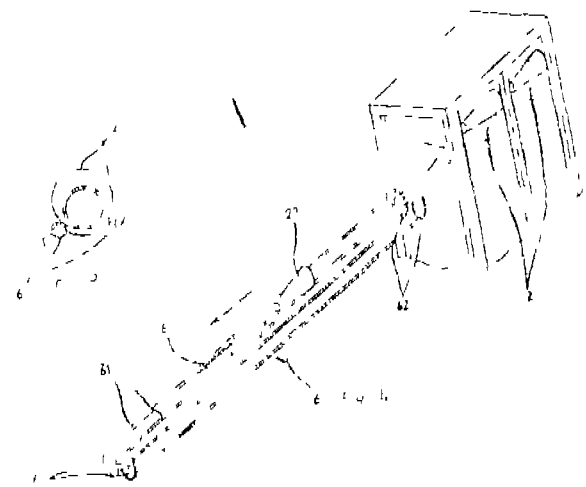
1. ZDENEK SPINDLE
2. VOJTECH NOVOTNY
9. ZBYNEK VENCL

Application No. : 926/Cal/95 filed on 8-8-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta

6 Claims

A device for conveying cylindrical (21) or conical (22) tubes on a textile machine particularly open-end spinning machine comprising a plurality of winding devices (1) situated next to each other and comprising a tube conveyor (16) arranged along a line of the operating units from a tube container (5) to an attending device (4) wherein the conveyor (6) contains two endless belts (61) whose mutual distance is less than the average diameter of the tube (2, 21, 22) to be conveyed.



(Compl Specn. : 10 Pages; Drgns. 4 Sheets)

Ind. Cl. : 29D. 185412

Int. Cl.[4] : G 11 B—5/80.

DATA CARRIER ARRANGEMENT

Applicant : SIMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-80333 MINCHEN, GERMANY.

Inventors :
1. DR. SONKE MEHRGARDT
2. DR. KARLHEINZ HAFNER

Application No. : 1116/Cal/95 filed on 15-9-1995.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules 1972), Patent Office, Calcutta.

9 Claims

Data carrier arrangement comprising a carrier element (1) in card form, at least one inegrated semi-conductior circuit (10..18) arranged on the carrier element (1), and at least one external terminal (20..28), arranged on the carrier element (1) and connected to the semi-conductor circuit (10..18) for establishing the electrical contact of the semi-conductor circuit (10, 18), characterized in that the external terminal (20) has a terminal face (35) which is arranged in one of the edge faces (29) of the carrier element (1).

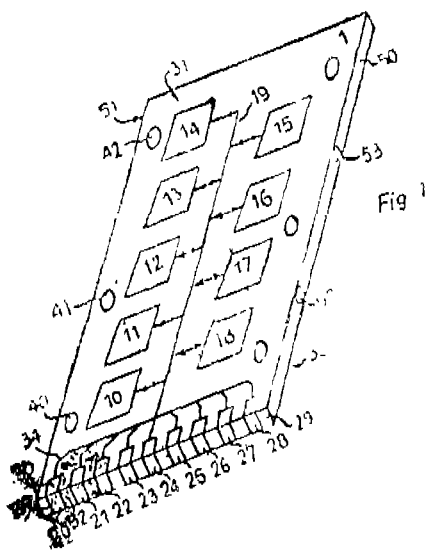


Fig 1

(Compl. Specn. : 11 Pages; Drgns. : 1 Sheets)

Ind. Cl. : 160C 185413

Int. Cl.[4] : B 60 N 2/02.

VEHICLE SEAT, IN PARTICULAR A BACK SEAT OR REAR BENCH SEAT WITH A SEAT FRAME.

Applicant : KEIPER GMBH & CO. OF HERTELSBRUNNENRING 2, D-67657 KAISERSLAUTERN, GERMANY.

Inventors :
1. JUNG PETER
2. DEEGENER ELMAR
3. CHRISTOFFEL THOMAS

Application No. : 1157/Cal/95 filed on 26-9-95.

(Convention No. 19514380.9 filed on 19-4-95 in Germany).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Calcutta

21 Claims

Vehicle seat, in particular a back seat or rear bench seat with a seat frame comprising :

front feet (1, 101, 201) and rear feet (2, 102, 202) which are releasably connected to the floor structure (5) of the vehicle, and a seat back (36) which is connected with the carrying structure (22) of the seat portion (23) over arrestable jointed lower and upper braces (34, 35);

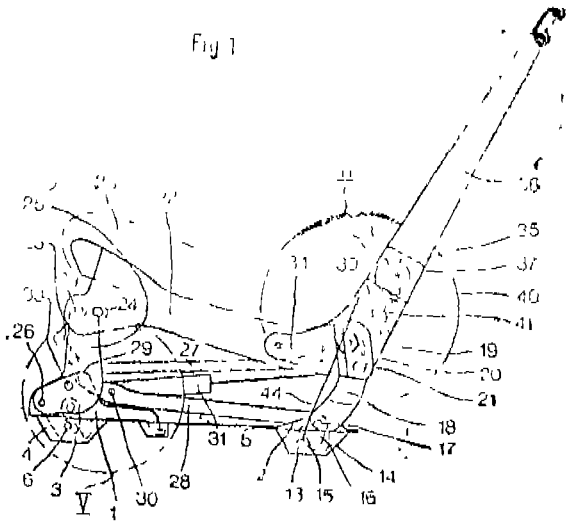
a releasable locking device which allows the seat back (36) to be folded forward in released state, said locking device comprising clasp (16.116), nose (116') and a tensile ratchet (163) being being coupled with a securing device comprising a disk (42, 142) and a lever (43, 143, 156) assigned to the seat back (36);

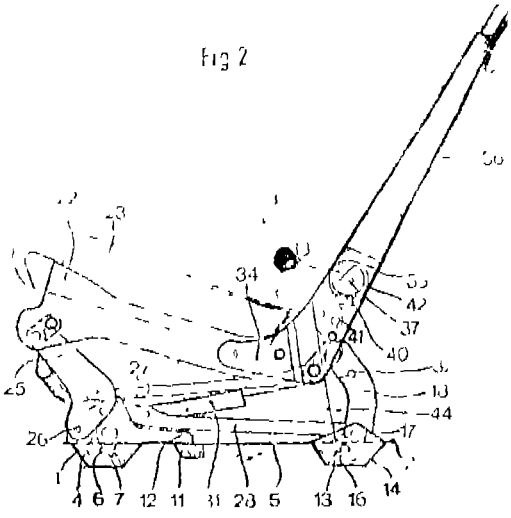
said seuring device comprising means for :

(a) releasing said locking device only for releasing the connection between the rear feet (2; 102) and the floor structure (5) when the seat back (36) is situated in the swivelled position folded forward,

(b) positively securing the seat back in the folded forward seivelled position against swivelling back into the position of use, wherein the seat back secured, in the folded forward swivelled position is released again when said rear feet are connected with the floor structure (5) of the vehicle by means of said locking device, wherein said securing device comprises a locking disk (42, 142) arranged concentrically on the jointed pin (37; 137) to the swivelling axis of the seat back and connected non-rotatably thereto, which locking disk holds a securing device comprising a lever (43, 143) working with it in all seivelled positions of the seat back (36) with the exception of the seivelled position with a folded forward seat back (36) in a first locked position characterized in that said locking device is secured against release and allows a movement of the securing device in the folded forward swivelled position of the seat back (36) as a result releasing the locking device in a second locked position, in which it secures said locking disk against rotation in the direction of folding back the seat back (36) into the position of use and which it leaves again only when the said locking device is closed

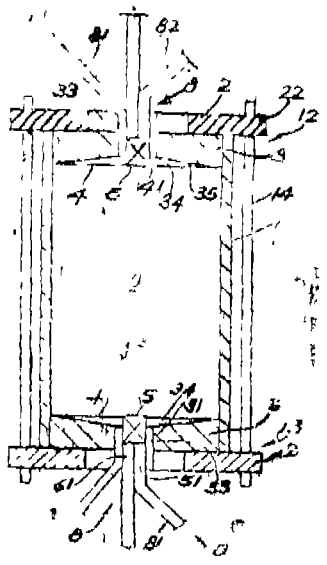
Fig 1





(Compl. Specn. : 32 Pages; Drgns. : 20 Sheets)

a third, open condition in which the first and second conduits both communicate with the bed space through the valve



(Compl. Specn. 34 Pages; Drgns. 10 Sheets)

Ind. Cl. : 40 F. 185414

Int. Cl. : B 01 D 15/08.

A CHROMATOGRAPHY APPARATUS AND PROCESS THEREOF.

Applicant : AMERSHAM PHARMACIA BIOTECH AB OF BJORKGATAN 30, 75182 UPPSALA, SWEDEN.

Inventors :

1. HOFMANN MARTIN JOHN.
2. DAVIS JOHN.

Application No. 1189/Cal/95 filed on 4-10-95.

(Convention No. 9419888.4 filed on 3-10 94 in U.K.).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

14 Claims

Chromatography apparatus comprising a cloumn housing with a housing wall defining an enclosed bed space to contain a bed of packing material in use, and an access valve communicating with the bed space through the housing wall at an access location, first and second fluid flow conduits each having an exterior connection outside the column housing and a respective interior opening directly in to the bed space from the valve, adjacent the housing wall interior, and wherein the value is controllably adjustable from cutside the housing wall between a first closed condition in which the first and second conduits are both isolated from the bed space;

a second, partially open condition in which the first conduit communicates with the bed space through the valve but the valve isolates the second conduit from the bed space, and

3—417GI/2000

Ind. Cl. : 85 J and K. 185415

Int. Cl.[3] : F 23 C 1/12.

A COMBUSTOR FOR THE COMBUSTION OF FUEL GASES.

Applicant : ISENTROPIC SYSTEMS LTD. OF 6TH FLOOR, 37 PITT STREET, SYDNEY, NEW SOUTH WALES, 2000, AUSTRALIA.

Inventor : CUMMINGS, DONALD RAY.

Application No. 1330/Cal/95 filed on 27-10-95.

(Convention No. PM 9049 filed on 27-10-94 and PM 9051 filed on 27-10-94 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A combustor for the combustion of fuel gas comprising a mixture of air and at least one combustible gas, wherein the concentration of air in the fuel gas is such that the fuel gas is below the lower flammability limit for the at least one combustible gas, said combustor comprising a vessel having an inlet for the supply of fuel gas, a combustion zone, an array of hollow tubes having one end open to the supplied fuel gas and the other end open to the combustion zone, the tubes being spaced-apart so that the outside of the tubes from an exit path for combusted gas from the combusttion zone passing to an outlet from the vessel such that a portion of the heat of the combusted gas is transferred through walls of the tubes to the fuel gas within the tubes to preheat the fuel gas before entring the combustion zone, wherein the ends of the tubes from at least a part of the boundary of the combustion zone, and baffle means are piovided between said tubes to form said exit path as a tortuous exit path, so that the preheated fuel gas entering the combustion zone is mixed with the combusted gas to provide further heating of the preheated fuel gas within the combustion zone, and wherein the

combustion zone has volume sufficient to contain the preheated fuel gas for a time sufficient for flameless combustion of the preheated fuel gas to occur.

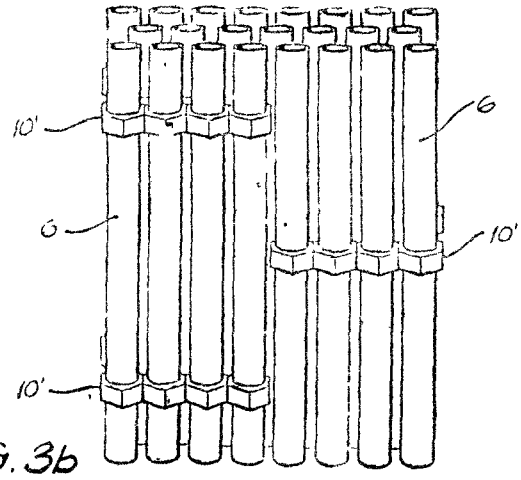


FIG. 3b

(Compl. Specn. 22 Pages; Drgns. 4 Sheets)

Ind. Cl. : 33B, F. 185416

Int. Cl[6] : B 22 C 9/00,
B 22 D 29/00

A METHOD OF MANUFACTURING THREE-DIMENSIONAL OBJECTS.

Applicant : EOS GMBH ELECTRO OPTICAL SYSTEMS. OF PASINGER STRASSE 2, 82152 PLANEGG, GERMANY

Inventors :
1. HANS LANGER.
2. CHRISTIAN WILKENINGS.
3. PETER KELLER.
4. FLORIAN WENDT.

Application No. 1380/Cal/95 filed on 2-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 Claims

Method of manufacturing a three dimensional object such as casting mold and/or core thereof by successive solidification of the layers of particulate molding material by action of electromagnetic radiation on places corresponding to the cross-section of the object, characterized in that,

(a) the molding material consists of a mold base substance such as herein described, which is chemically inert under the action of the electromagnetic radiation and a binder such as herein described, which under the action of electromagnetic radiation is curable by a chemical process occuring within the material, said binder being mixed with or coated on said mold base substance, and optionally, adding one or several aggregates, such as accelerators, acids, non oxide, separating agents, ammonium salts, hexamethylene tetramine, hexamine, urea, magnetite, hematite, calcium stearate, glycerine, water or solvents during said mixing or coating process; and

(b) the irradiation period and/or the intensity of the electromagnetic radiation is selected so that the energy input of the eletromagnetic radiation into the molding material to be solidified is sufficient to initiate the chemical curring process in the binder, whereas the mold base substance does not react, and optionally thermally aftertreating the object so produced.

(Compl. Specn. 35 Pages; Drgns. 02 Sheets)

Ind. Cl. : 32 F, 9. 185417

Int. Cl[6] : C 07 C 63/26.

PROCESS FOR PRODUCING HIGHLY PURIFIED TEREPHTHALIC ACID.

Applicant : MITSUBISHI CHEMICAL CORPORATION OF 5-2, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, 100 JAPAN.

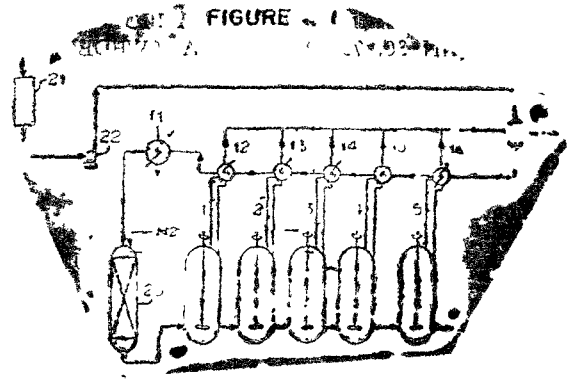
Inventors :
1. IZUMISAWA YOSHIAKI.
2. KAWAHARA TUKASA.
3. TOYOSAWA AKIHIKO.

Application No. 1409/Cal/9 filed on 6-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

17 Claims

A process for producing highly purified terephthalic acid, which comprises dissolving crude terephthalic acid in an aqueous medium such as herein described, contacting it with a platinum group metal catalyst such as herein described for purification under a temperature condition of from 260 to 320°C, crystallizing terephthalic acid from the aqueous solution of terephthalic acid by cooling the aqueous solution stepwise in a plurality of crystallizers connected in series, characterized in that the crystallization temperature in a first crystallization zone is adjusted to a level within a range of from 240 to 260°C with simultaneous agitation being carried out by impeller with a power requirement of impeller within a range of from 0.4 to 10kw/m^3, and then, in a second crystallization zone, the crystallization temperature is adjusted to level within a range of from 180 to 230°C, which is lower by from 20 to 60°C than the crystallization temperature in the first crystallization zone, followed by solid-liquid separation in the manner such as herein described, and drying in the manner such as herein described, the separated trephthalic acid crystals to obtain trephthalic acid particles wherein the proportion of particles having particle sizes exceeding 210μm is at most 10wt%.



(Compl. Specn. 33 Pages; Drgns. 2 Sheets)

Ind. Cl. : 186 B. 185418

Int. Cl[6] : 03 M - 7/40 - 7/42

A VARIABLE LENGTH CODE DECODING APPARATUS.

Applicant : DAEWOO ELECTRONICS CO. LTD. OF 541, 5GA, NAMDAEMOON-RO, JUNG-GU, SEOUL, REPUBLIC OF KOREA.

Inventor : KIM, GYU-SEOK.

Application No. 1470/Cal/95 filed on 17-11-95.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A variable length code decoding apparatus for decoding, at a fixed clock rate, sequential variable length codewords supplied from an input buffer which stores an input bit stream to be decoded in fixed length segments having a length equal to a longest length of the variable length codewords, said apparatus comprising :

first and second latch circuits (103 and 105), in response to a read signal, for storing consecurively two fixed length segments from the input buffer;

a bit shifting circuit (107) connected to the first and the second latch circuits (103 and 105) and having an output window for providing an M bit window output sequence of the two fixed length segments, M being a number varying from 0 to one-half of the longest length of the variable length codewords and the output window being shifted in direct response to a position control signal and a codeword length signal, wherein the position control signal indicates a bit position in the two fixed length segments from which the window output sequence begins and the codeword length signal indicates how many bits are to be included in the window output sequence;

a bit generation circuit (109) for generating an N-bit output sequence by using the window output sequence as low-order bits of the N-bit output sequence, N being one-half of the longest length of the variable length codewords;

a decoding sequence generation circuit (111, 113 and 115) connected to the bit generation circuit (109) for producing a decoding output sequence of the two fixed length segments in response to the codeword length signal;

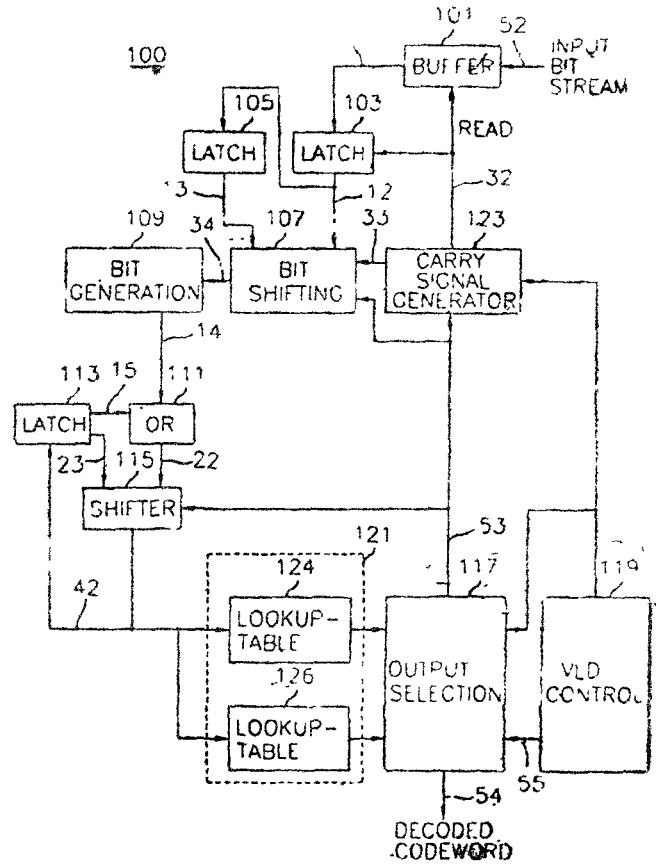
a memory device (121) coupled to the decoding sequence generation circuit (111, 113 and 115) and having a number lookup-tables for producing fixed length codewords in response to a variable length codeword that begins at the first bit position of the decoding output sequence and for producing codeword lengths corresponding to the decoded variable length codewords;

a control circuit (119) for generating an output selection signal and a clock signal;

a selection circuit (117) for selecting an output codeword and a codeword length among the produced fixed length codewords and codeword lengths corresponding to the decoded variable length codewords, in response to the clock signal and the output selection signal;

a carry signal generator (123) for generating the position control signal represented by adding "1" to a previously accumulated codeword length, accumulating the selected codeword length with the previously accumulated codeword length, and activating the read signal to retrieve a next fixed length segment stored in the input buffer when the previously accumulated codeword length is greater than one half of the longest length of the variable length codeords, wherein the next fixed length segment is stored in the first latch circuit (103) and the fixed length segment previously stored in the first latch circuit (103) is being transferred to the second latch circuit (105).

FIG 1



(Compl. Specn. 26 Pages; Drgns. 3 Sheets)

Ind. Cl. : 12C, 129G. 185419

Int. Cl.[6] : C 21 D, 8/00.

A PROCESS FOR PRODUCING BALL BEARING ROUNDS.

Applicant : THE TATA IRON AND STEEL COMPANY LTD. Of BOMBAY HOUSE, 4 HOMI MODY STREET, MUMBAI-400 001, INDIA.

Inventors :

1. S B. SINGH
2. S. K. TIWARY
3. R. N. CHATTOPADHYAY
4. O N. MOHANTY.

Application No. 1638/Cal/95 filed on 14-12-95.

(Complete after Provisional left on 10-2-97)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

6 Claims

A thermomechanical process adopting low temperature reheating and low temperature deformation for producing ball bearing rounds in a bar and rod mill wherein the process comprising the following steps :

(a) Ball bearing blooms/billets are reheated in a furnace to 1150°C in the austenite range; the said re-heating temperature is lower than the conventional reheatnig temperature range of 1250—1300°C;

(b) Mechanical working by forging of rolling is initiated at a temperature in the austenite range (above A_m temperature); compared with the colaventional processing, the temperature at which mechanical working is initiated is lower;

(c) The forging/rolling is finished below the lower transformation temperature (A_1-temperature) for the steel rods;

wherein the thermomechanical processing of ball bearing rounds as in process steps, a, b and c adopting low temperature re-heating and low temperature deformation substantially reduces the spheroidised annealing cycle.

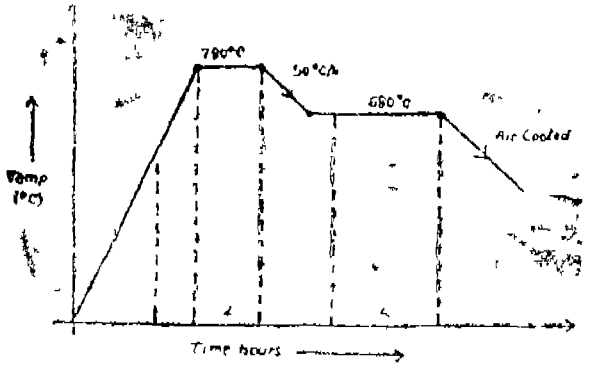


Fig 2

(Prov. Specn. 3 Pages; Drgns. Nil)

(Compl. Specn. 8 Pages, Drgns. 3 Sheets)

Ind. Cl. : 68 D. 185420

Int. Cl.[5] : H 01 T 4/08.

A HIGH VOLTAGE, HIGH CURRENT SWITCHING APPARATUS.

Applicant . HITACHI LTD. OF 6, KANDA SURUGADAI 4-CHOME, CHIYODA-KU, TOKYO, 101, JAPAN.

Inventors :

1. TAKASHI OHMORI
2. KAZUHIKO NISHIMURA
3. TOKIO YAMAGIWA
4. YOSHINORI TAGAWA.

Application No. 1772/Cal/95 filed on 29-12-95.

(Divided out of No. 876/Cal/91 antedated to 25-11-91).

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

A high-voltage, high-current switching apparatus comprising :

at least one elongate grounded tank.

an insulating gas in said tank.

a main current-carrying conductor extending along inside the tank for carrying operational current;

a circuit breaker on the main current-carrying conductor for breaking operational current therethrough;

at least one disconnector on the main current-carrying conductor for disconnecting operating voltage from the circuit breaker;

a bus conductor provided in a connection bus for connecting the main current-carrying conductor to an external transmission line and

suppressing means for suppressing a high-frequency lightening surge applied from said external transmission line, said suppressing means comprising :

(a) at least one high-frequency current diversion conductor branching from said bus conductor and being connected to at least one of an arrester, a transformer and grounding device, and

(b) a magnetic surge suppressor disposed around each said high-frequency current diversion conductor.

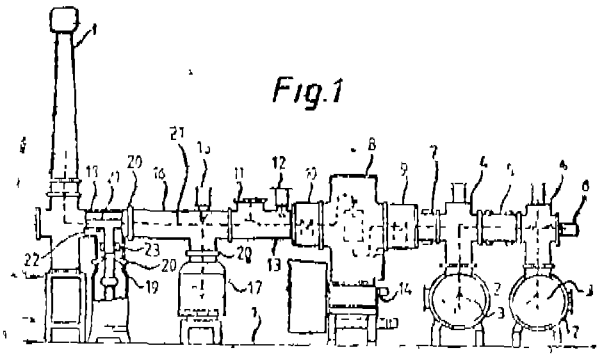


Fig.1

(Compl. Specn. 25 Pages; Drgns. 5 Sheets)

CANCELLATION PROCEEDINGS UNDER SECTION 51 A

An application in the name of PUNJAB TRACTORS LTD. for cancellation of registration of Registered Design No. 180921 was filed on 2nd December 1999 in class 01 in the name of INTERNATIONAL TRACTORS LTD.

An application in the name of PUNJAB TRACTORS LTD. for cancellation of registration of Registered Design No. 180922 was filed on 2nd December 1999 in class 01 in the name of INTERNATIONAL TRACTORS LTD.

An application in the name of PUNJAB TRACTORS LTD. for cancellation of registration of Registered Design No. 180923 was filed on 2nd December 1999 in class 01 in the name of INTERNATIONAL TRACTORS LTD.

An application in the name of PUNJAB TRACTORS LTD. for cancellation of registration of Registered Design No. 180924 was filed on 2nd December 1999 in class 01 in the name of INTERNATIONAL TRACTORS LTD.

OPPOSITION PROCEEDINGS

The opposition as entered by M/s. Kinetic Engg. Ltd., Pune to the grant of a Patent on Application No. 166764 (167/Bom/87) made by M/s. Bajaj Auto Ltd., Pune as notified in Gazette of India, Part III, Section 2 has been dismissed and it is ordered that the application for Patent No. 166764 shall proceed to sealing in prescribed manner.

The opposition as entered by Mr. Amit Agarwal, Bangalore to the grant of a patent on application No. 183486 (420/Bom/97) made by M/s. Synit Drugs Pvt. Ltd., Mumbai as notified in the Gazette of India, Part-III, Sec. 2 dated 15th January, 2000 has been allowed and it is ordered that the application for Patent No. 183486 shall be treated as relinquished.

The opposition as entered by Mr. Amit Agarwal, Bangalore to the grant of a patent on application No 183487 (423/Bom/97) made by M/s. Synit Drugs Pvt. Ltd., Mumbai as notified in the Gazette of India, Part-III Sec. 2 dated 15th January, 2000 has been allowed and it is ordered that the application for Patent No. 183487 shall be treated relinquished.

An opposition has been entered by Mitra Industries Ltd., New Delhi to grant of a Patent Application No. 184323 (616/Mas/94) made by Sree Chitra Tribunal Institute for Medical Sciences & Technology Thiruvananthapuram.

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 181283 granted to THAMES WATER UTILITIES LIMITED for an invention relating to slow sand filter & method for making the same.

The Patent ceased on the 10-12-1999 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 23rd December 2000.

Any interested person may give notice of opposition to the restoration by leaving a notice Form 14 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th & 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700020 on or before the 13-3-2001 under Rule 69 of the Patents Rule 1972. A written statement, in triplicate, Setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within two months from the date of the notice.

RENEWAL FEES PAID

181069 181079 182096 167287 171841 175163 182276 179617 172064 167450 170198 173507 179169 182801 172807 17372* 175164 171728 182481 181088 172066 174979 173928 178137 181082 182090 182275 182743 174740 179160 170328 182975 173688 181086 178089 172065 172251 181072 180219 182849 170524 170532 174589 178492 181120 181965 179667 179902 178559 179252 170272 173165 180416 180115 180116 180117 182578 182803 180120 176749 174497 179046 180113 181843 182744 182745 180415 179478 181075 181076 181077 181078 178582 178495 181090 175065 183213 172156 173697 172559 182875 183512 183513 183514 183515 183516 183518 183519 183520 181067 179821 179048 170557 179045 178041 172094 179376 181989 174987 174964 170394 170294 173776 170367 173777 173778 179010 181126 181232 182979 180220 179154 180022 181083 182492 182843 182844 182846 174272 180118 180417 181844 182485 170339 181074 182804 170099 181969 181071 171839 173699 178810 180699 174895 183302 181121 180242 181130 173580 173539 179034 172780 170368 170153 181043 180653 170279 181079 178811 179383 183004 179377 183216 178042 183307 183084 171582 169663 179033 181136 172070 175167 181080 177897 183005 179205 178699 170521 182062 173571 173096 173075 173074 173063 182747 181122 181123 176781 172819 175883 183544 183508 179620 182063 173147 178136 171729 174309 175890 178347 181233 170292 172236 179269 181029 172221 171995 172474 173092 175053 175066 175661 179461 182978 181580 181988 181195 167910 168744 178085 179299 178350 179614 181041 181042 171593 174587 179001 173229 170195 174742 175412 182091 183389 182091 181048 183383 183385 183384 183387 183388 180216 180211 180292 181035 170069 181039 171723 181316 183386 183511 169367 171495 182685 181987 177302 171924 180215 172091 182841 180213 181938 181860 182580 173127 182687 182741 181050 174968 174970 181063 180293 181064 181065 177757 181066 182430 173671 175058 180413 180143 180297 174969 170323 170326 170327 182022 178636 180218 179884 167749 176778 169843 174089 180148 182802 182088 182974 179263 178558 173146 182742 182577 180144 180145 181852 181506 182593 182976 170264 181221 181089 180112 180119 180240 172830 179153 170340 179476 173357 174743.

PATENT SEALED ON 15-12-2000

181349 181848* 183793 183828*D 184004*D 184021 184023 184024 184025 184026 184027 184028 184029*F 184030*D 184031* 184032 184035 184037 184038* 184039 184040*F 184041* 184042 184043 184044 184045 184046 184047 184050

CAL-12, DEL-02, MUM-07, CHEN-08

*Patent shall be deemed to be endorsed with words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in section 50 of the Designs Act, 1911.

The Date shown in the each entries in the date of the registration included in the entries.

Class 1. No. 182226. Metropolitan Trading Company, an Indian Partnership firm of 10/76, Off Haines Road, Worli, Mumbai-400018, Maharashtra, India. "TIE PIN". 28th April 2000.

Class 1. No. 182177. Joseph Damian Pareira, Anstem Paul Pareira, Valentine Pareira and Frederick Pareira all Indian National trading under the name and style of Damian, address is Damian House, 14, Hill Road, Bandra (West). Mumbai-400050, Maharashtra, India. "STAND POST". 25th April 2000.

Class 1. No. 182747. Dr. Jose Thaikattil, University Health Centre, Calicut University P.O. Kerala State, India. "COOKER". 28th June 2000.

Class 1. No. 182914. Honda Giken Kogyo Kaisha, a Japanese Company, of 1, 1, Ninami-Aoyama 2-Chome, Minato-Ku, Tokyo, Japan. "MOTOR SCOOTER". 18th July 2000.

Class 1. No. 179594. Schneider Electric Industries SA, of 40 Avenue Andre Morizet, 92100 Boulogne- Pillancourt, France, a french company. "PUSH BUTTON". 31st May 1999.

Class 3. No. 182817. Cavinkare Ltd. an Indian company of 130, Peters Road., Chennai-600086, Tamil Nadu, India ."SACHET WITH POURING DEVICE". 7th July 2000.

Class 3. Nos. 182303, 182304. Raco Industries, D-2, Extension-V, Vishnu Garden, Khyala, New Delhi-110018, India, an Indian Partnership firm. "CAR WHEEL COVER". 10th May 2000.

Class 3. No. 182487. Eveready Battery Company, Inc. of Checherboard Square. St. Louis. Missouri, 63164, United States of America. "FLASHLIGHT". 30th May 2000.

Class 3. No. 182292. Nilkamal Plastics Ltd. of Plot No. 971-1A, Sinnar Taluka Industrial Co-Operative Estate, Sinnar Shirdi Road, Sinnar-422103. Maharashtra. India, Indian Company. "CHAIR". 10th May 2000.

Class 3. No. 182372. Artiben Subhashbhai Panchal, sole proprietor of Atlas Plastic, 49/309, Ashokpura, Near Panchal Nagar Dudheshwar Road, Ahmedabad-380004, Gujarat, India. "PLASTIC SEAT". 17th May 2000.

Class 3. No. 182623 E.I.D. Parry (India) Ltd., an Indian Company at Ceramics Division, Dare House 234, N.S.C. Bose Road, Chennai-600001, Tamil Nadu, India. "TOILET SEAT COVER WITH TOP COVER". 16th June 2000.

Class 3. No. 182402. Bijay Chakraborty, an Indian National of 1/1B/4, Ram Krishna Naskar Lane, Calcutta-700010, W.B. India. "REPLACEABLE LED LAMP". 22nd May 2000.

Class 3. No. 182977. Bata India Ltd., an Indian Company 6A, S. N. Banerjee Road, Calcutta-700013, West Bengal, India. "SOLE FOR FOOTWEAR". 24th July 2000.

Class 3. No. 182209 G M Pens International Ltd. an Indain Company at No. 76, Janakpuri Velachery Road, Post Bag No. 1170, Guindy, Chennai-600032, State of Tamil Nadu, India "PEN" 28th April 2000.

Class 3. No. 181372 Ksihore Industries, an Indian Company Ashirwad Industrial Estate, Ram Mandir Road, Bldg. No. 5, 1st Floor Goregaon (West), Mumbai-400104, State of Maharashtra, India. "SOCKET" 19th January 2000.

Class 3. Nos. 181976 & 181977. Anchor Kenwood Electricals, an Indian Company, plot No. G-9, Cross Road, "M.I.D.C. Andheri (East), Mumbai-400093, State of Maharashtra, (India), "SWITCH". 29th March 2000.

Class 3. No. 181969. Anchor Kenwood Electricals, an Indian Company, Plot No G-9, Cross Road "A" M.I.D.C. Andheri (E), Mumbai-400093, Maharashtra, India. "COVER PLATE FOR SWITCHES/SOCKETS". 29th March 2000

Class 4. No. 181369. Herbertsons Ltd. Ewart House, 22, Homi Mody Street, Mumbai-400023, Maharashtra, India. "BOTTLE", 18th January 2000

Class 5. No. 182180 Joseph Damian Pareira, Anstem Paul Pareira, Valentine Pareira and Frederick Pareira all Indian National Trading under the name and Style of Damian, Damian house, 14, Hill Road Bandra (West), Mumbai-400050, Maharashtra, India. "TABLE TOP", 25th April 2000.

Class 10 Nos. 182978, 182979. Bata India Ltd. an Indian Co. 6A, S. N. Banerjee Road, Calcutta-700013, W.B. India. "STRAP FOR FOOTWEAR". 24th July 2000.

Class 11. No. 182528. Kimberly-Clark Worldwide Inc. Office at 401, North Lake Street, Neenah, Wisconsin 54957-0349, United States of America "DISPOSABLE ABSORBENT ARTICLE". 31st May 2000.

H. D. THAKUR

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